AMENDMENT IN THE NATURE OF A SUBSTITUTE TO H.R. 5358 OFFERED BY MR. SCHWARZ OF MICHIGAN, MR. BOEHLERT OF NEW YORK, MR. GORDON OF TENNESSEE, AND MS. HOOLEY OF OREGON

Strike all after the enacting clause and insert the following:

SECTION 1. SHORT TITLE.

This Act may be cited as the ''Science and Mathematics Education for Competitiveness Act''.

SEC. 2. FINDINGS.

Congress finds the following:

(1) The National Science Foundation has made significant and valuable contributions to the improvement of K–12 and undergraduate science, technology, engineering, and mathematics education throughout its 56 year history.

(2) The National Science Foundation shall continue to carry out the functions described in section 3 of the National Science Foundation Act of 1950 (42 U.S.C. 1862).

SEC. 3. ROBERT NOYCE TEACHER SCHOLARSHIP PROGRAM.

Section 10 of the National Science Foundation Authorization Act of 2002 (42 U.S.C. 1862n–1) is amended—

(1) by inserting ''Teacher'' after ''Noyce'' in the section heading and each place it appears in the text;

(2) in subsection (a)(1)—

(A) by striking ''to provide scholarships, stipends, and programming designed''; and

(B) by inserting ''and to provide scholarships and stipends to students participating in the program'' after ''science teachers'';

(3) in subsection (a)(3)(A)—

(A) by striking ''encourage top college juniors and seniors'' and inserting ''recruit and prepare undergraduate students''; and

(B) by inserting ''qualified as'' after ''to become'';

(4) in subsection (a)(3)(A)(ii)—

(A) by striking ''programs to help scholarship recipients'' and inserting ''academic courses and early field teaching experiences designed to prepare students participating in the program'';

(B) by striking ''programs that will result in'' and inserting ''such preparation as is necessary to meet requirements for''; and

(C) by striking ''licensing; and'' and inserting ''licensing;'';

(5) in subsection (a)(3)(A)(iii)—

(A) by striking ''scholarship recipients'' and inserting ''students participating in the program'';

(B) by striking ''enable the recipients'' and inserting ''enable the students''; and

(C) by striking '';or'' and inserting ''; and'';

(6) in subsection (a)(3)(A) by inserting at the end the following new clause:

''(iv) providing summer internships for freshman and sophomore students participating in the program; or'';

(7) in subsection (a)(3)(B)—

(A) by striking ''encourage'' and inserting ''recruit and prepare''; and

(B) by inserting ''qualified as'' after ''to become'';

(8) by amending clause (ii) of subsection (a)(3)(B) to read as follows:

''(ii) offering academic courses and field teaching experiences designed to prepare stipend recipients to teach in elementary schools and secondary schools, including such preparation as necessary to meet requirements for teacher certification or licensing;'';

(9) in subsection (a) by inserting at the end the following new paragraph:

''(4) ELIGIBILITY REQUIREMENT.—To be eligible for an award under this section, an institution of higher education (or consortia of such institutions) shall ensure that specific faculty members and staff from the institution's mathematics, science, or engineering departments and specific education faculty are designated to carry out the development and implementation of the program. An institution of higher education may also include teacher leaders to participate in developing the pedagogical content of the program and to supervise students participating in the program in their field teaching experiences. No institution of higher education shall be eligible for an award unless faculty from the institution's mathematics, science, or engineering departments are active participants in the program.'';

(10) in subsection (b)(1)(A)—

(A) by striking ''scholarship or stipend'';

(B) by inserting ''and summer internships'' after ''number of scholarships''; and

(C) by inserting ''the type of activities proposed for the recruitment of students to the program,'' after ''intends to award,'';

(11) in subsection (b)(1)(B)—

(A) by striking ''scholarship or stipend''; and

(B) by striking '';and'' and inserting '', which may include a description of any existing programs at the applicant's institution that are targeted to the education of science and mathematics teachers and the number of teachers graduated annually from such programs;'';

(12) in subsection (b)(1), by striking subparagraph (C) and inserting the following:

''(C) a description of the academic courses and field teaching experiences required under subsection (a)(3)(A)(ii) and (B)(ii), including—

''(i) a description of the undergraduate program that will enable a student to graduate in 4 years with a major in mathematics, science, or engineering

and to obtain teacher certification or licensing;

''(ii) a description of the field teaching experiences proposed; and

''(iii) evidence of agreements between the applicant and the schools or school districts that are identified as the locations at which field teaching experiences will occur;

''(D) a description of the programs required under subsection (a)(3)(A)(iii) and (B)(iii), including activities to assist new teachers in fulfilling their service requirements under this section; and

''(E) an identification of the applicant's mathematics, science, or engineering faculty and its education faculty who will carry out the development and implementation of the program as required under subsection (a)(4).'';

(13) in subsection (b)(2)—

(A) by redesignating subparagraphs (B), (C), (D), and (E) as subparagraphs (C), (D), (E) and (F), respectively; and

(B) by inserting after subparagraph (A) a new subparagraph as follows:

''(B) the extent to which the applicant's mathematics, science, or engineering faculty and its education faculty have worked or will work collaboratively to design new or revised curricula that recognizes the specialized pedagogy required to teach mathematics and science effectively in elementary and secondary schools;'';

(14) in subsection (c)(3)—

(A) by striking ''$7,500'' and inserting ''$10,000''; and

(B) by striking ''of scholarship support'' and inserting ''of scholarship support, unless the Director establishes a policy by which part-time students may receive additional years of support'';

(15) in subsection (c)(4)—

(A) by inserting '', with a maximum service requirement of 4 years'' after ''was received''; and

(B) by striking ''Service required under this paragraph shall be performed in a high-need local educational agency.'';

(16) in subsection (c), by adding at the end a new paragraph as follows:

''(5) EXCEPTION.—The period of service obligation under paragraph (4) is reduced by 1 year for scholarship recipients whose service is performed in a high-need local educational agency.'';

(17) in subsection (d)(1), by striking ''to receive certification or licensing to teach'' and inserting ''established under subsection (a)(3)(B)'';

(18) in subsection (d)(2), by inserting ''and professional achievement'' after ''academic merit'';

(19) in subsection (d)(3), by striking ''1 year'' and inserting ''16 months'';

(20) in subsection (d)(4), by striking ''for each year a stipend was received'';

(21) in subsection (g)(2)(A)—

(A) by striking ''Treasurer of the United States,'' and inserting ''Treasurer of the United States.''; and

(B) by striking ''multiplied by 2.''

(22) in subsection (i)(3), by inserting ''or had a career in'' after ''is working in''; and

(23) by adding at the end the following:

''(j) SCIENCE AND MATHEMATICS SCHOLARSHIP GIFT FUND.—In accordance with section 11(f) of the National Science Foundation Act of 1950, the Director is authorized to accept donations from the private sector to

support scholarships, stipends, or internships associated with programs under this section.

''(k) AUTHORIZATION OF APPROPRIATIONS.—Except as provided in subsection (l), there are authorized to be appropriated to the Director for the Robert Noyce Teacher Scholarship Program—

''(1) $50,000,000 for fiscal year 2007, of which at least $7,500,000 shall be used for capacity building activities described in subsection (a)(3)(A)(ii) and (iii) and (B)(ii) and (iii);

''(2) $70,000,000 for fiscal year 2008, of which at least $10,500,000 shall be used for capacity building activities described in subsection (a)(3)(A)(ii) and (iii) and (B)(ii) and (iii);

''(3) $90,000,000 for fiscal year 2009, of which at least $13,500,000 shall be used for capacity building activities described in subsection (a)(3)(A)(ii) and (iii) and (B)(ii) and (iii);

''(4) $110,000,000 for fiscal year 2010, of which at least $16,500,000 shall be used for capacity building activities described in subsection (a)(3)(A)(ii) and (iii) and (B)(ii) and (iii); and

''(5) $130,000,000 for fiscal year 2011, of which at least $19,500,000 shall be used for capac-

ity building activities described in subsection (a)(3)(A)(ii) and (iii) and (B)(ii) and (iii).

''(l) EXCEPTION.—For any fiscal year for which the funding allocated for activities under this section is less than $50,000,000, the amount of funding available for capacity building activities described in paragraphs (1) through (5) of subsection (k) shall not exceed 15 percent of the allocated funds.''.

SEC. 4. SCHOOL AND UNIVERSITY PARTNERSHIPS FOR SCIENCE AND MATHEMATICS EDUCATION.

(a) IN GENERAL.—Section 9 of the National Science Foundation Authorization Act of 2002 (42 U.S.C. 1862n) is amended—

(1) in the section heading by striking ''**MATHEMATICS AND SCIENCE EDUCATION PARTNERSHIPS**'' and inserting ''**SCHOOL AND UNIVERSITY PARTNERSHIPS FOR SCIENCE AND MATHEMATICS EDUCATION**'';

(2) in subsection (a)(2)—

(A) by striking ''(A)'';

(B) by striking subparagraph (B);

(C) by inserting '', through 1 or more of its departments in science, mathematics, or engineering,'' after ''institution of higher education''; and

(D) by striking ''a State educational agency'' and inserting ''education faculty from the participating institution or institutions of higher education, a State educational agency,'';

(3) in subsection (a)(3)(B) by—

(A) inserting ''content-specific'' before ''professional development programs'';

(B) inserting ''which are'' before ''designed''; and

(C) inserting ''and which may include teacher training activities to prepare science and mathematics teachers to teach Advanced Placement and International Baccalaureate science and mathematics courses'' after ''and science teachers'';

(4) in subsection (a)(3)(C) by inserting ''and laboratory experiences'' after ''technology'' and by inserting ''and laboratory'' after ''provide technical'';

(5) in subsection (a)(3)(E) by striking ''master teachers'' and inserting ''teacher leaders'';

(6) in subsection (a)(3)(I) by inserting ''including model induction programs for teachers in their first 2 years of teaching,'' after ''and science,'';

(7) in subsection (a)(3)(K) by striking ''developing and offering mathematics or science enrich-

ment programs for students, including after-school and summer programs;'' and inserting ''developing educational programs and materials for use in and conducting mathematics or science enrichment programs for students, including after-school programs and summer camps for students described in subsection (b)(2)(G);'';

(8) in subsection (a)(4) by striking ''master teachers'' and inserting ''teacher leaders'' each place it appears;

(9) in subsection (a) by inserting at the end the following:

''(8) MASTER'S DEGREE PROGRAMS.—Activities carried out in accordance with paragraph (3)(B) shall include the development and offering of master's degree programs for in-service mathematics and science teachers that will strengthen their subject area knowledge and pedagogical skills. Grants provided under this section may be used to develop and implement courses of instruction for the master's degree programs, which may involve online learning, and develop related educational materials.

''(9) MENTORS FOR ADVANCED PLACEMENT COURSES TEACHERS AND STUDENTS.—Partnerships carrying out activities to prepare science and mathe-

matics teachers to teach Advanced Placement and International Baccalaureate science and mathematics courses in accordance with paragraph (3)(B) shall encourage companies employing scientists, mathematicians, or engineers to provide mentors to teachers and students and provide for the coordination of such mentoring activities.

''(10) INVENTIVENESS.—Activities carried out in accordance with paragraph (3)(H) may include the development and dissemination of curriculum tools that will help foster inventiveness and innovation.'';

(10) in subsection (b)(2) by redesignating subparagraphs (E) and (F) as subparagraphs (F) and (G), respectively, and inserting after subparagraph (D) the following new subparagraph:

''(E) the extent to which the evaluation described in paragraph (1)(E) will be independent and based on objective measures;'';

(11) in subsection (b)(3)(A) by striking ''and'' at the end;

(12) in subsection (b)(3) by redesignating subparagraph (B) as subparagraph (C) and inserting after subparagraph (A) the following new subparagraph:

''(B) give priority to applications that include teacher training activities as the main focus of the proposal; and'';

(13) in subsection (b) by inserting at the end the following:

''(4) MINIMUM AND MAXIMUM GRANT SIZE.—A grant awarded under this section shall be not less than $75,000 or greater than $2,000,000 for any fiscal year.'';

(14) in subsection (c)—

(A) by striking paragraph (2);

(B) by redesignating paragraphs (3), (4), and (5) as paragraphs (4), (5), and (6), respectively; and

(C) by inserting after paragraph (1) the following new paragraphs:

''(2) REPORT ON MODEL PROJECTS.—The Director shall determine which completed projects funded through the program under this section should be seen as models to be replicated on a more expansive basis at the State or national levels. Not later than 1 year after the date of enactment of this paragraph, the Director shall transmit a report describing the results of this study to the Committee on Science and the Committee on Education and the

Workforce of the House of Representatives and to the Committee on Commerce, Science, and Transportation and the Committee on Health, Education, Labor, and Pensions of the Senate.

''(3) REPORT ON EVALUATIONS.—Not later than 4 years after the date of enactment of this paragraph, the Director shall transmit a report summarizing the evaluations required under subsection (b)(1)(E) of grants received under this program and describing any changes to the program recommended as a result of these evaluations to the Committee on Science and the Committee on Education and the Workforce of the House of Representatives and to the Committee on Commerce, Science, and Transportation and the Committee on Health, Education, Labor, and Pensions of the Senate. Such report shall be made widely available to the public.''; and

(15) by adding at the end the following new subsection:

''(d) DEFINITION.—In this section, the term 'mathematics and science teacher' means a mathematics, science, or technology teacher at the elementary school or secondary school level.''.

(b) DEFINITIONS.—Section 4 of the National Science Foundation Authorization Act of 2002 (42 U.S.C. 1862n note) is amended—

(1) by amending paragraph (6) to read as follows:

''(6) ELIGIBLE NONPROFIT ORGANIZATION.—The term 'eligible nonprofit organization' means a nonprofit organization, such as a museum or science center, involved in the preparation, training, or certification of science and mathematics teachers.'';

(2) by amending paragraph (8) to read as follows:

''(8) HIGH-NEED LOCAL EDUCATIONAL AGENCY.—The term 'high-need local educational agency' means a local educational agency that—

''(A) is receiving grants under title I of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 6301 et seq) as a result of having within its jurisdiction concentrations of children from low income families; and

''(B) is experiencing a shortage of highly qualified teachers, as defined in section 9101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801), in the fields of science, mathematics, or engineering.''; and

(3) in paragraph (11) by striking ''master teacher'' and inserting ''teacher leader'' each place it appears.

(c) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Director of the National Science Foundation for the School and University Partnerships for Science and Mathematics Education program—

(1) $63,000,000 for fiscal year 2007;

(2) $73,000,000 for fiscal year 2008;

(3) $83,000,000 for fiscal year 2009;

(4) $93,000,000 for fiscal year 2010; and

(5) $103,000,000 for fiscal year 2011.

SEC. 5. SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS TALENT EXPANSION PROGRAM.

(a) AMENDMENTS.—Section 8(7) of the National Science Foundation Authorization Act of 2002 is amended—

(1) in subparagraph (A) by striking ''competitive, merit-based'' and all that follows through ''in recent years'' and inserting ''competitive, merit-reviewed multiyear grants for eligible applicants to improve undergraduate education in science, mathematics, engineering and technology through—

''(i) the creation of programs to increase the number of students studying toward and completing associate's or bachelor's degrees in science, mathematics, engineering and technology, particularly in fields that have faced declining enrollment in recent years; and

''(ii) the creation of centers to develop undergraduate curriculum, teaching methods for undergraduate courses, and methods to better train professors and teaching assistants who teach undergraduate courses to increase the number of students completing undergraduate courses in science, mathematics, technology, and engineering, including the number of nonmajors, and to improve student academic achievement in those courses.

Grants made under clause (ii) shall be awarded jointly through the Education and Human Resources Directorate and at least 1 research directorate of the Foundation.'';

(2) in subparagraph (B) by striking ''under this paragraph'' and inserting ''under subparagraph (A)(i)'';

(3) in subparagraph (C)—

(A) by inserting ''(i)'' before ''The types of'';

(B) by redesignating clauses (i) through (vi) as subclauses (I) through (VI), respectively;

(C) by striking ''under this paragraph'' and inserting ''under subparagraph (A)(i)''; and

(D) by adding at the end the following new clause:

''(ii) The types of activities the Foundation may support under subparagraph (A)(ii) include—

''(I) creating model curricula and laboratory programs;

''(II) developing and demonstrating research-based instructional methods and technologies;

''(III) developing methods to train graduate students and faculty to be more effective teachers of undergraduates;

''(IV) conducting programs to disseminate curricula, instructional methods, or training methods to fac-

ulty at the grantee institutions and at other institutions;

"(V) conducting assessments of the effectiveness of the Center at accomplishing the goals described in subparagraph (A)(ii); and

"(VI) conducting any other activities the Director determines will accomplish the goals described in subparagraph (A)(ii).";

(4) in subparagraph (D)(i), by striking "under this paragraph" and inserting "under subparagraph (A)(i)";

(5) in subparagraph (D)(ii), by striking "under this paragraph" and inserting "under subparagraph (A)(i)";

(6) after subparagraph (D)(iii), by adding the following new clause:

"(iv) A grant under subparagraph (A)(ii) shall be awarded for 5 years, and the Director may extend such a grant for up to 2 additional 3 year periods.";

(7) in subparagraph (E), by striking "under this paragraph" both places it appears and inserting "under subparagraph (A)(i)";

(8) by redesignating subparagraph (F) as subparagraph (J); and

(9) by inserting after subparagraph (E) the following new subparagraphs:

''(F) Grants awarded under subparagraph (A)(ii) shall be carried out by a department or departments of science, mathematics, or engineering at institutions of higher education (or a consortia thereof), which may partner with education faculty. Applications for awards under subparagraph (A)(ii) shall be submitted to the Director at such time, in such manner, and containing such information as the Director may require. At a minimum, the application shall include—

''(i) a description of the activities to be carried out by the Center;

''(ii) a plan for disseminating programs related to the activities carried out by the Center to faculty at the grantee institution and at other institutions;

''(iii) an estimate of the number of faculty, graduate students (if any), and undergraduate students who will be affected by the activities carried out by the Center; and

"(iv) a plan for assessing the effectiveness of the Center at accomplishing the goals described in subparagraph (A)(ii).

"(G) in evaluating the applications submitted under subparagraph (F), the Director shall consider, at a minimum—

"(i) the ability of the applicant to effectively carry out the proposed activities, including the dissemination activities described in subparagraph (C)(ii)(IV); and

"(ii) the extent to which the faculty, staff, and administrators of the applicant institution are committed to improving undergraduate science, mathematics, and engineering education.

"(H) In awarding grants under subparagraph (A)(ii), the Director shall endeavor to ensure that a wide variety of science, mathematics, and engineering fields and types of institutions of higher education, including 2-year colleges, are covered, and that—

"(i) at least 1 Center is housed at a Doctoral/Research University as defined by the Carnegie Foundation for the Advancement of Teaching; and

''(ii) at least 1 Center is focused on improving undergraduate education in an interdisciplinary area.

''(I) The Director shall convene an annual meeting of the awardees under this paragraph to foster collaboration and to disseminate the results of the Centers and the other activities funded under this paragraph.''.

(b) REPORT ON DATA COLLECTION.—Not later than 180 days after the date of enactment of this Act, the Director shall transmit to Congress a report on how the Director is determining whether current grant recipients in the Science, Technology, Engineering, and Mathematics Talent Expansion Program are making satisfactory progress as required by section 8(7)(D)(ii) of the National Science Foundation Authorization Act of 2002 and what funding actions have been taken as a result of the Director's determinations.

(c) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Director of the National Science Foundation for the program described in section 8(7) of the National Science Foundation Authorization Act of 2002—

(1) $44,000,000 for fiscal year 2007, of which $4,000,000 shall be for the grants described in subparagraph (A)(ii);

(2) $55,000,000 for fiscal year 2008, of which $10,000,000 shall be for the grants described in subparagraph (A)(ii);

(3) $60,000,000 for fiscal year 2009, of which $10,000,000 shall be for the grants described in subparagraph (A)(ii);

(4) $60,000,000 for fiscal year 2010, of which $10,000,000 shall be for the grants described in subparagraph (A)(ii); and

(5) $60,000,000 for fiscal year 2011, of which $10,000,000 shall be for the grants described in subparagraph (A)(ii).

SEC. 6. INTEGRATIVE GRADUATE EDUCATION AND RESEARCH TRAINEESHIP PROGRAM.

(a) FUNDING.—For each of the fiscal years 2007 through 2011, the Director of the National Science Foundation shall allocate at least 1.5 percent of funds appropriated for Research and Related Activities to the Integrative Graduate Education and Research Traineeship program.

(b) COORDINATION.—The Director shall coordinate with Federal departments and agencies, as appropriate,

to expand the interdisciplinary nature of the Integrative Graduate Education and Research Traineeship program.

(c) AUTHORITY TO ACCEPT FUNDS FROM OTHER AGENCIES.—The Director is authorized to accept funds from other Federal departments and agencies to carry out the Integrative Graduate Education and Research Traineeship program.

SEC. 7. CENTERS FOR RESEARCH ON LEARNING AND EDUCATION IMPROVEMENT.

The Director of the National Science Foundation shall continue to carry out the program of Centers for Research on Learning and Education Improvement as established in section 11 of the National Science Foundation Authorization Act of 2002 (42 U.S.C. 1862n–2).

SEC. 8. UNDERGRADUATE EDUCATION PROGRAMS.

The Director of the National Science Foundation shall continue to carry out programs in undergraduate education, including those authorized in section 17 of the National Science Foundation Authorization Act of 2002 (42 U.S.C. 1862n–6). Funding for these programs shall increase as funding for the National Science Foundation grows.

SEC. 9. EVALUATION OF PROFESSIONAL SCIENCE MASTERS.

Not earlier than 1 year after the date of enactment of this Act, the Director of the National Science Foundation shall enter into an agreement with an appropriate party to assess the impact of the Professional Science Master's (PSM) degree at a variety of institutions, including the extent to which the degree is interdisciplinary and targeted to emerging fields, such as services sciences, the ability of graduates to obtain employment in industry relative to those who receive traditional science master's degrees, salary ranges for graduates relative to traditional science masters graduates, the extent to which the degree is terminal or graduates go on to continue their education, and the success of the degree in attracting traditionally underrepresented populations, including women and minorities. The results of such study, together with any recommendations for Federal support for Professional Science Master's programs, shall be transmitted to the Congress not later than 3 years after the date of enactment of this Act.

SEC. 10. REPORT ON BROADER IMPACTS CRITERION.

Not later than 1 year after the date of enactment of this Act, the Director of the National Science Foundation shall transmit to Congress a report on the impact of

the broader impacts grant criterion used by the National Science Foundation. The report shall——

(1) identify the criteria that each division and directorate of the Foundation uses to evaluate the broader impacts aspects of research proposals;

(2) provide a breakdown of the types of activities by division that awardees have proposed to carry out to meet the broader impacts criterion;

(3) provide any evaluations performed by the National Science Foundation to assess the degree to which the broader impacts aspects of research proposals were carried out and how effective they have been at meeting the goals described in the research proposals;

(4) describe what national goals, such as improving undergraduate science, mathematics, and engineering education, improving K–12 science and mathematics education, promoting university-industry collaboration and technology transfer, and broadening participation of underrepresented groups, the broader impacts criterion is best suited to promote; and

(5) describe what steps the National Science Foundation is taking and should take to use the

broader impacts criterion to improve undergraduate science, mathematics, and engineering education.

SEC. 11. STUDY ON LABORATORY EQUIPMENT DONATIONS FOR SCHOOLS.

Not later than 2 years after the date of enactment of this Act, the Director of the National Science Foundation shall transmit a report to the Congress examining the extent to which institutions of higher education are donating used laboratory equipment to elementary and secondary schools. The Director, in consultation with the Secretary of Education, shall survey institutions of higher education to determine—

(1) how often, how much, and what type of equipment is donated;

(2) what criteria or guidelines the institutions are using to determine what types of equipment can be donated, what condition the equipment should be in, and which schools receive the equipment;

(3) whether the institutions provide any support to, or follow-up with the schools; and

(4) how appropriate donations can be encouraged.

SEC. 12. ASSESSMENTS OF NATIONAL SCIENCE FOUNDATION EDUCATION PROGRAMS.

In conducting assessments of National Science Foundation education programs, the Director shall use assessment methods that allow Foundation programs to be compared to education programs supported by other Federal agencies.

SEC. 13. EDUCATION PROGRAMS AT THE DEPARTMENT OF ENERGY.

(a) AUTHORIZATION OF EDUCATION PROGRAMS.—The Secretary of Energy, acting through the Office of Science, shall carry out education programs and activities in fields related to the Office of Science's mission, which may include awarding scholarships or fellowships for study and research, providing research experiences at National Laboratories for undergraduates, and operating summer institutes to improve the content knowledge of science and mathematics teachers.

(b) INVENTORY AND EVALUATION.—

(1) REPORT.—Not later than 1 year after the date of enactment of this Act, the Secretary of Energy shall transmit a report to the Congress which shall contain—

(A) an inventory of existing education programs and activities at the Department and at the National Laboratories, which shall include a

description of each education program or activity supported by the Department or the National Laboratories, a description of the intended beneficiaries, and the amount of Federal funding used to support it; and

(B) a schedule for conducting independent evaluations of the education programs and activities identified under subparagraph (A) to assess the impact of such programs and activities on the intended beneficiaries and the larger mission of the Office of Science that shall result in all evaluations of the programs being completed not later than 4 years after the date of enactment of this Act.

(2) IMPLEMENTATION OF SCHEDULE.—The Secretary shall implement the schedule provided under paragraph (1)(B) and shall transmit each evaluation to the Congress as it is completed, along with a description of any actions the Secretary intends to take as a result of the evaluation.

(c) NATIONAL LABORATORIES.—The Secretary shall include the conduct of education programs at the National Laboratories and the results of any evaluations of such programs as a factor in the annual setting of the perform-

ance and other incentive fees for a National Laboratories management and operations contractor.

SEC. 14. DEFINITIONS.

In this Act—

(1) the term ''institution of higher education'' has the meaning given such term in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)); and

(2) the term ''National Laboratory'' has the meaning given the term ''nonmilitary energy laboratory'' in section 903(3) of the Energy Policy Act of 2005 (42 U.S.C. 16182(3)).